



Lab to develop high-power microwave technologies

by Rich Garcia, Directed Energy Directorate

KIRTLAND AFB, N.M. — Under a \$15 million Air Force contract, awarded recently to ITT Industries Inc., the company's Albuquerque office will be involved in high-power microwave technology work for the Air Force Research Laboratory's Directed Energy Directorate.

Over the next five and a half years, the company will be working on the design of ultra-wideband antennas and sources that generate high-power microwaves, advanced-concept studies, and material physics.

According to the directorate's Bob Torres, who will

oversee the contractor's technical efforts, "Specifically, we're looking for ITT to improve our present high-power ultra-wideband capabilities in the area of gas-switched sources, solid-state switched sources, high-voltage transformer development, antenna designs, new materials analysis, propagation and breakdown studies, effectiveness studies, and other high-power ultra-wideband source technologies." @